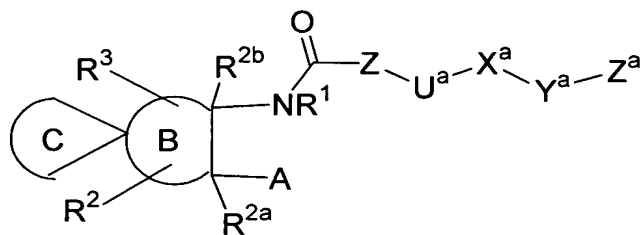


WHAT IS CLAIMED IS:

1. A compound of formula I:



I

5 or a stereoisomer or pharmaceutically acceptable salt form thereof, wherein;

A is selected from $-\text{COR}^5$, $-\text{CO}_2\text{H}$, $\text{CH}_2\text{CO}_2\text{H}$, $-\text{CO}_2\text{R}^6$, $-\text{CONHOH}$,
 $-\text{CONHOR}^5$, $-\text{CONHOR}^6$, $-\text{N}(\text{OH})\text{COR}^5$, $-\text{N}(\text{OH})\text{CHO}$, $-\text{SH}$,
 10 $-\text{CH}_2\text{SH}$, $-\text{S}(\text{O})(=\text{NH})\text{R}^a$, $-\text{SN}_2\text{H}_2\text{R}^a$, $-\text{PO}(\text{OH})_2$, and
 $-\text{PO}(\text{OH})\text{NHR}^a$;

ring B is a 3-13 membered non-aromatic carbocycle or
 heterocycle comprising: carbon atoms, 0-3 carbonyl
 15 groups, 0-4 double bonds, and from 0-2 ring
 heteroatoms selected from O, N, NR^2 , and $\text{S}(\text{O})_p$,
 provided that ring B contains other than a S-S, O-O,
 or S-O bond;

20 ring C forms a spiro ring on Ring B and is a 3-13
 membered carbocycle or heterocycle comprising:
 carbon atoms, 0-3 carbonyl groups, 0-4 double bonds,
 and from 0-5 ring heteroatoms selected from O, N,
 NR^2 , and $\text{S}(\text{O})_p$ and substituted with 0-6 R^e , provided
 25 that ring C contains other than a S-S, O-O, or S-O
 bond;

Z is absent or selected from a C_{3-13} carbocycle
 substituted with 0-5 R^b and a 5-14 membered
 30 heterocycle comprising: carbon atoms and 1-4

heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-5 R^b;

U^a is absent or is selected from: O, NR^{a1}, C(O), C(O)O,
 5 OC(O), C(O)NR^{a1}, NR^{a1}C(O), OC(O)O, OC(O)NR^{a1},
 NR^{a1}C(O)O, NR^{a1}C(O)NR^{a1}, S(O)_p, S(O)_pNR^{a1}, NR^{a1}S(O)_p,
 and NR^{a1}SO₂NR^{a1};

X^a is absent or selected from C₁₋₁₀ alkylene, C₂₋₁₀
 10 alkenylene, and C₂₋₁₀ alkynylene;

Y^a is absent or selected from O, NR^{a1}, S(O)_p, and C(O);

Z^a is selected from H, a C₃₋₁₃ carbocycle substituted with
 15 0-5 R^c and a 5-14 membered heterocycle comprising:
 carbon atoms and 1-4 heteroatoms selected from the
 group consisting of N, O, and S(O)_p and substituted
 with 0-5 R^c;

20 provided that Z, U^a, Y^a, and Z^a do not combine to form a
 N-N, N-O, O-N, O-O, S(O)_p-O, O-S(O)_p or S(O)_p-S(O)_p
 group;

R¹ is selected from H, C₁₋₄ alkyl, phenyl, and benzyl;
 25

R² is selected from Q, Cl, F, (C₁₋₁₀ alkylene substituted
 with 0-3 R^{b1})-Q, (C₂₋₁₀ alkenylene substituted with
 0-3 R^{b1})-Q, (C₂₋₁₀ alkynylene substituted with 0-3
 R^{b1})-Q, (CR^aRA¹)_{r1}O(CR^aRA¹)_r-Q,
 30 (CR^aRA¹)_{r1}NR^a(CR^aRA¹)_r-Q, (CR^aRA¹)_{r1}C(O)(CR^aRA¹)_r-Q,
 (CR^aRA¹)_{r1}C(O)O(CR^aRA¹)_r-Q, (CR^aRA¹)_{r1}C(O)O-C₂₋₅
 alkenylene,

$(\text{CR}^a\text{Ra}^1)_{r1}\text{C}(\text{O})\text{O}-\text{C}_{2-5}$ alkynylene,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{OC}(\text{O})(\text{CR}^a\text{Ra}^1)_r-\text{Q}$, $(\text{CR}^a\text{Ra}^1)_{r1}\text{C}(\text{O})\text{NR}^a\text{Ra}^1$,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{C}(\text{O})\text{NR}^a(\text{CR}^a\text{Ra}^1)_r-\text{Q}$,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{NR}^a\text{C}(\text{O})(\text{CR}^a\text{Ra}^1)_r-\text{Q}$,
5 $(\text{CR}^a\text{Ra}^1)_{r1}\text{OC}(\text{O})\text{O}(\text{CR}^a\text{Ra}^1)_r-\text{Q}$,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{OC}(\text{O})\text{NR}^a(\text{CR}^a\text{Ra}^1)_r-\text{Q}$,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{NR}^a\text{C}(\text{O})\text{O}(\text{CR}^a\text{Ra}^1)_r-\text{Q}$,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{NR}^a\text{C}(\text{O})\text{NR}^a(\text{CR}^a\text{Ra}^1)_r-\text{Q}$,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{S}(\text{O})_p(\text{CR}^a\text{Ra}^1)_r-\text{Q}$, $(\text{CR}^a\text{Ra}^1)_{r1}\text{SO}_2\text{NR}^a(\text{CR}^a\text{Ra}^1)_r-\text{Q}$,
10 $(\text{CR}^a\text{Ra}^1)_{r1}\text{NR}^a\text{SO}_2(\text{CR}^a\text{Ra}^1)_r-\text{Q}$, and
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{NR}^a\text{SO}_2\text{NR}^a(\text{CR}^a\text{Ra}^1)_r-\text{Q}$;

R^{2a} is selected from H, C_{1-6} alkyl, OR^a , NR^aRa^1 , and
 $\text{S}(\text{O})_p\text{R}^a$;

15

R^{2b} is H or C_{1-6} alkyl;

Q is selected from H, a C_{3-13} carbocycle substituted with
0-5 R^d and a 5-14 membered heterocycle comprising:
20 carbon atoms and 1-4 heteroatoms selected from the
group consisting of N, O, and $\text{S}(\text{O})_p$ and substituted
with 0-5 R^d ;

R^3 is selected from Q^1 , Cl, F, C_{1-6} alkylene- Q^1 , C_{2-6}
25 alkenylene- Q^1 , C_{2-6} alkynylene- Q^1 ,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{O}(\text{CR}^a\text{Ra}^1)_r-\text{Q}^1$, $(\text{CR}^a\text{Ra}^1)_{r1}\text{NR}^a(\text{CR}^a\text{Ra}^1)_r-\text{Q}^1$,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{NR}^a\text{C}(\text{O})(\text{CR}^a\text{Ra}^1)_r-\text{Q}^1$,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{C}(\text{O})\text{NR}^a(\text{CR}^a\text{Ra}^1)_r-\text{Q}^1$,
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{C}(\text{O})(\text{CR}^a\text{Ra}^1)_r-\text{Q}^1$, $(\text{CR}^a\text{Ra}^1)_{r1}\text{C}(\text{O})\text{O}(\text{CR}^a\text{Ra}^1)_r-\text{Q}^1$,
30 $(\text{CR}^a\text{Ra}^1)_2)_{r1}\text{S}(\text{O})_p(\text{CR}^a\text{Ra}^1)_r-\text{Q}^1$, and
 $(\text{CR}^a\text{Ra}^1)_{r1}\text{SO}_2\text{NR}^a(\text{CR}^a\text{Ra}^1)_r-\text{Q}^1$;

Q¹ is selected from H, phenyl substituted with 0-3 R^d,
 naphthyl substituted with 0-3 R^d and a 5-10 membered
 heteroaryl comprising: carbon atoms and 1-4
 5 heteroatoms selected from the group consisting of N,
 O, and S(O)_p and substituted with 0-3 R^d;

R^a, at each occurrence, is independently selected from H,
 C₁₋₄ alkyl, phenyl and benzyl;

10 R^{a1}, at each occurrence, is independently selected from H
 and C₁₋₄ alkyl;

alternatively, R^a and R^{a1} when attached to a nitrogen are
 15 taken together with the nitrogen to which they are
 attached to form a 5 or 6 membered ring comprising
 carbon atoms and from 0-1 additional heteroatoms
 selected from the group consisting of N, O, and
 S(O)_p;

20 R^{a2}, at each occurrence, is independently selected from
 C₁₋₄ alkyl, phenyl and benzyl;

R^b, at each occurrence, is independently selected from
 25 C₁₋₆ alkyl, OR^a, Cl, F, Br, I, =O, -CN, NO₂, NR^aR^{a1},
 C(O)R^a, C(O)OR^a, C(O)NR^aR^{a1}, R^aNC(O)NR^aR^{a1},
 OC(O)NR^aR^{a1}, R^aNC(O)OR^a, S(O)₂NR^aR^{a1}, NR^aS(O)₂R^{a2},
 NR^aS(O)₂NR^aR^{a1}, OS(O)₂NR^aR^{a1}, NR^aS(O)₂R^{a2}, S(O)_pR^{a2},
 CF₃, and CF₂CF₃;

30 R^{b1}, at each occurrence, is independently selected from
 OR^a, Cl, F, Br, I, =O, -CN, NO₂, and NR^aR^{a1};

R^c , at each occurrence, is independently selected from
 C_{1-6} alkyl, OR^a , Cl, F, Br, I, =O, -CN, NO_2 , NR^aR^{a1} ,
 $C(O)R^a$, $C(O)OR^a$, $C(O)NR^aR^{a1}$, $R^aNC(O)NR^aR^{a1}$,
 $OC(O)NR^aR^{a1}$, $R^aNC(O)OR^a$, $S(O)_2NR^aR^{a1}$, $NR^aS(O)_2R^{a2}$,
5 $NR^aS(O)_2NR^aR^{a1}$, $OS(O)_2NR^aR^{a1}$, $NR^aS(O)_2R^{a2}$, $S(O)_pR^{a2}$,
 CF_3 , CF_2CF_3 , CH_2F , CHF_2 , CF_2CH_3 , $C(CH_3)_2F$, OCF_3 , C_{3-10}
carbocycle substituted with 0-3 R^{c1} and a 5-14
membered heterocycle comprising: carbon atoms and
1-4 heteroatoms selected from the group consisting
10 of N, O, and $S(O)_p$ and substituted with 0-3 R^{c1} ;

alternatively, when two R^c groups are attached to the
same carbon atom, they form a spiro ring D that is a
3-11 membered carbocycle substituted with 0-2 R^{c1} or
15 a 3-13 membered heterocycle comprising: carbon
atoms and from 1-4 ring heteroatoms selected from O,
N, and $S(O)_p$ and substituted with 0-2 R^{c1} , provided
that ring D contains other than a S-S, O-O, or S-O
bond;

20 alternatively, when two R^c groups are attached to adjacent
carbon atoms, together with the carbon atoms to
which they are attached they form a 5-7 membered
saturated, partially saturated or unsaturated ring
25 consisting of: carbon atoms and 0-2 heteroatoms
selected from the group consisting of N, O, and
 $S(O)_p$; this ring is substituted with 0-2 R^{c1} ;

R^{c1} , at each occurrence, is independently selected from
30 C_{1-6} alkyl, OR^a , Cl, F, Br, I, =O, -CN, NO_2 , NR^aR^{a1} ,
 $C(O)R^a$, $C(O)OR^a$, $C(O)NR^aR^{a1}$, $R^aNC(O)NR^aR^{a1}$,
 $OC(O)NR^aR^{a1}$, $R^aNC(O)OR^a$, $S(O)_2NR^aR^{a1}$, $NR^aS(O)_2R^{a2}$,

$\text{NR}^{\text{a}}\text{S}(\text{O})_2\text{NR}^{\text{a}}\text{Ra}^1$, $\text{OS}(\text{O})_2\text{NR}^{\text{a}}\text{Ra}^1$, $\text{NR}^{\text{a}}\text{S}(\text{O})_2\text{Ra}^2$, $\text{S}(\text{O})_{\text{p}}\text{Ra}^2$,
 CF_3 , CF_2CF_3 , CH_2F , and CHF_2 ;

R^{d} , at each occurrence, is independently selected from
 5 C_{1-6} alkyl, OR^{a} , Cl , F , Br , I , $=\text{O}$, $-\text{CN}$, NO_2 , $\text{NR}^{\text{a}}\text{Ra}^1$,
 $\text{C}(\text{O})\text{Ra}^1$, $\text{C}(\text{O})\text{OR}^{\text{a}}$, $\text{C}(\text{O})\text{NR}^{\text{a}}\text{Ra}^1$, $\text{Ra}^1\text{NC}(\text{O})\text{NR}^{\text{a}}\text{Ra}^1$,
 $\text{OC}(\text{O})\text{NR}^{\text{a}}\text{Ra}^1$, $\text{Ra}^1\text{NC}(\text{O})\text{OR}^{\text{a}}$, $\text{S}(\text{O})_2\text{NR}^{\text{a}}\text{Ra}^1$, $\text{NR}^{\text{a}}\text{S}(\text{O})_2\text{Ra}^2$,
 $\text{NR}^{\text{a}}\text{S}(\text{O})_2\text{NR}^{\text{a}}\text{Ra}^1$, $\text{OS}(\text{O})_2\text{NR}^{\text{a}}\text{Ra}^1$, $\text{NR}^{\text{a}}\text{S}(\text{O})_2\text{Ra}^2$, $\text{S}(\text{O})_{\text{p}}\text{Ra}^2$,
 CF_3 , CF_2CF_3 , C_{3-10} carbocycle and a 5-14 membered
 10 heterocycle comprising: carbon atoms and 1-4
 heteroatoms selected from the group consisting of N ,
 O , and $\text{S}(\text{O})_{\text{p}}$;

R^{e} , at each occurrence, is independently selected from
 15 C_{1-6} alkyl, OR^{a} , Cl , F , Br , I , $=\text{O}$, $-\text{CN}$, NO_2 , $\text{NR}^{\text{a}}\text{Ra}^1$,
 $\text{C}(\text{O})\text{Ra}^1$, $\text{C}(\text{O})\text{OR}^{\text{a}}$, $\text{C}(\text{O})\text{NR}^{\text{a}}\text{Ra}^1$, $\text{Ra}^1\text{NC}(\text{O})\text{NR}^{\text{a}}\text{Ra}^1$,
 $\text{OC}(\text{O})\text{NR}^{\text{a}}\text{Ra}^1$, $\text{Ra}^1\text{NC}(\text{O})\text{OR}^{\text{a}}$, $\text{S}(\text{O})_2\text{NR}^{\text{a}}\text{Ra}^1$, $\text{NR}^{\text{a}}\text{S}(\text{O})_2\text{Ra}^2$,
 $\text{NR}^{\text{a}}\text{S}(\text{O})_2\text{NR}^{\text{a}}\text{Ra}^1$, $\text{OS}(\text{O})_2\text{NR}^{\text{a}}\text{Ra}^1$, $\text{NR}^{\text{a}}\text{S}(\text{O})_2\text{Ra}^2$, $\text{S}(\text{O})_{\text{p}}\text{Ra}^2$,
 CF_3 , CF_2CF_3 , C_{3-10} carbocycle substituted with 0-2
 20 $\text{R}^{\text{c}1}$, $(\text{CR}^{\text{a}}\text{Ra}^1)_{\text{r}1-\text{C}_{3-10}}$ carbocycle substituted with 0-2
 $\text{R}^{\text{c}1}$, a 5-14 membered heterocycle comprising carbon
 atoms and 1-4 heteroatoms selected from the group
 consisting of N , O , and $\text{S}(\text{O})_{\text{p}}$ and substituted with
 0-2 $\text{R}^{\text{c}1}$, and $(\text{CR}^{\text{a}}\text{Ra}^1)_{\text{r}1-5-14}$ membered heterocycle
 25 comprising carbon atoms and 1-4 heteroatoms selected
 from the group consisting of N , O , and $\text{S}(\text{O})_{\text{p}}$ and
 substituted with 0-2 $\text{R}^{\text{c}1}$;

R^5 , at each occurrence, is selected from C_{1-10} alkyl
 30 substituted with 0-2 R^{b} , and C_{1-8} alkyl substituted
 with 0-2 R^{f} ;

R^f, at each occurrence, is selected from phenyl substituted with 0-2 R^b and biphenyl substituted with 0-2 R^b;

5 R⁶, at each occurrence, is selected from phenyl, naphthyl, C₁₋₁₀ alkyl-phenyl-C₁₋₆ alkyl-, C₃₋₁₁ cycloalkyl, C₁₋₆ alkylcarbonyloxy-C₁₋₃ alkyl-, C₁₋₆ alkoxy carbonyloxy-C₁₋₃ alkyl-, C₂₋₁₀ alkoxy carbonyl, C₃₋₆ cycloalkylcarbonyloxy-C₁₋₃ alkyl-, C₃₋₆ cycloalkoxy carbonyloxy-C₁₋₃ alkyl-, C₃₋₆ cycloalkoxy carbonyl, phenoxycarbonyl, phenyloxycarbonyloxy-C₁₋₃ alkyl-, phenylcarbonyloxy-C₁₋₃ alkyl-, C₁₋₆ alkoxy-C₁₋₆ alkylcarbonyloxy-C₁₋₃ alkyl-, [5-(C₁-C₅ alkyl)-1,3-dioxo-cyclopenten-2-one-yl]methyl, [5-(R^a)-1,3-dioxo-cyclopenten-2-one-yl]methyl, (5-aryl-1,3-dioxo-cyclopenten-2-one-yl)methyl, -C₁₋₁₀ alkyl-NR⁷R^{7a}, -CH(R⁸)OC(=O)R⁹, and -CH(R⁸)OC(=O)OR⁹;

20 R⁷ is selected from H and C₁₋₁₀ alkyl, C₂₋₆ alkenyl, C₃₋₆ cycloalkyl-C₁₋₃ alkyl-, and phenyl-C₁₋₆ alkyl-;

25 R^{7a} is selected from H and C₁₋₁₀ alkyl, C₂₋₆ alkenyl, C₃₋₆ cycloalkyl-C₁₋₃ alkyl-, and phenyl-C₁₋₆ alkyl-;

R⁸ is selected from H and C₁₋₄ linear alkyl;

30 R⁹ is selected from H, C₁₋₈ alkyl substituted with 1-2 R^g, C₃₋₈ cycloalkyl substituted with 1-2 R^g, and phenyl substituted with 0-2 R^b;

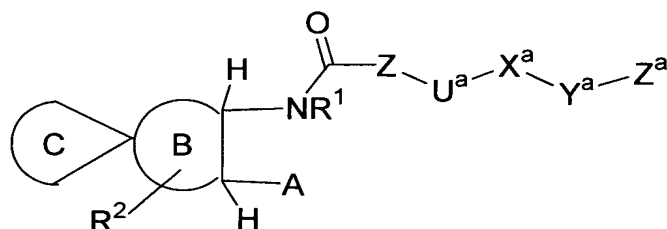
R^g, at each occurrence, is selected from C₁₋₄ alkyl, C₃₋₈ cycloalkyl, C₁₋₅ alkoxy, and phenyl substituted with 0-2 R^b;

5 p, at each occurrence, is selected from 0, 1, and 2;

r, at each occurrence, is selected from 0, 1, 2, 3, and 4; and,

10 r₁, at each occurrence, is selected from 0, 1, 2, 3, and 4.

15 2. A compound according to Claim 1, wherein the compound is of formula II:



II

or a stereoisomer or pharmaceutically acceptable salt
20 form thereof, wherein;

A is selected from -CO₂H, CH₂CO₂H, -CONHOH, -CONHOR⁵,
-CONHOR⁶, -N(OH)COR⁵, -N(OH)CHO, -SH, and -CH₂SH;

25 ring B is a 4-7 membered non-aromatic carbocyclic or heterocyclic ring comprising: carbon atoms, 0-1 carbonyl groups, 0-1 double bonds, and from 0-2 ring heteroatoms selected from O, N, and NR², provided that ring B contains other than a O-O bond;

30

ring C forms a spiro ring on Ring B and is a 4-10
 membered carbocycle substituted with 0-3 R^e or a 4-
 10 membered heterocycle comprising: carbon atoms,
 0-3 carbonyl groups, 0-4 double bonds, and from 0-4
 5 ring heteroatoms selected from O, N, NR², and S(O)_p
 and substituted with 0-3 R^e, provided that ring C
 contains other than a S-S, O-O, or S-O bond;

Z is absent or selected from a C₃₋₁₁ carbocycle
 10 substituted with 0-4 R^b and a 5-11 membered
 heterocycle comprising: carbon atoms and 1-4
 heteroatoms selected from the group consisting of N,
 O, and S(O)_p and substituted with 0-3 R^b;

15 U^a is absent or is selected from: O, NR^{a1}, C(O), C(O)O,
 C(O)NR^{a1}, NR^{a1}C(O), S(O)_p, and S(O)_pNR^{a1};

X^a is absent or selected from C₁₋₄ alkylene, C₂₋₄
 alkenylene, and C₂₋₄ alkynylene;

20

Y^a is absent or selected from O and NR^{a1};

Z^a is selected from H, a C₃₋₁₀ carbocycle substituted with
 0-5 R^c and a 5-10 membered heterocycle comprising:
 25 carbon atoms and 1-4 heteroatoms selected from the
 group consisting of N, O, and S(O)_p and substituted
 with 0-5 R^c;

provided that Z, U^a, Y^a, and Z^a do not combine to form a
 30 N-N, N-O, O-N, O-O, S(O)_p-O, O-S(O)_p or S(O)_p-S(O)_p
 group;

R¹ is selected from H, C₁₋₄ alkyl, phenyl, and benzyl;

R^2 is selected from Q, C_{1-6} alkylene-Q, C_{2-6} alkenylene-Q,
 C_{2-6} alkynylene-Q, $(CR^aRa^1)_{r1}O(CR^aRa^1)_r-Q$,
 $(CR^aRa^1)_{r1}NR^a(CR^aRa^1)_r-Q$, $(CR^aRa^1)_{r1}C(O)(CR^aRa^1)_r-Q$,
5 $(CR^aRa^1)_{r1}C(O)O(CR^aRa^1)_r-Q$, $(CR^aRa^1)_rC(O)NR^aRa^1$,
 $(CR^aRa^1)_{r1}C(O)NR^a(CR^aRa^1)_r-Q$,
 $(CR^aRa^1)_{r1}S(O)_p(CR^aRa^1)_r-Q$, and
 $(CR^aRa^1)_{r1}SO_2NR^a(CR^aRa^1)_r-Q$;

10 Q is selected from H, a C_{3-6} carbocycle substituted with
 0-5 R^d , and a 5-10 membered heterocycle comprising:
 carbon atoms and 1-4 heteroatoms selected from the
 group consisting of N, O, and $S(O)_p$ and substituted
 with 0-5 R^d ;

15

R^a , at each occurrence, is independently selected from H,
 C_{1-4} alkyl, phenyl and benzyl;

20

R^{a1} , at each occurrence, is independently selected from H
 and C_{1-4} alkyl;

25

alternatively, R^a and R^{a1} when attached to a nitrogen are
 taken together with the nitrogen to which they are
 attached to form a 5 or 6 membered ring comprising
 carbon atoms and from 0-1 additional heteroatoms
 selected from the group consisting of N, O, and
 $S(O)_p$;

30

R^{a2} , at each occurrence, is independently selected from
 C_{1-4} alkyl, phenyl and benzyl;

R^b , at each occurrence, is independently selected from
 C_{1-6} alkyl, OR^a , Cl, F, Br, =O, -CN, NR^aR^{a1} , $C(O)R^a$,
 $C(O)OR^a$, $C(O)NR^aR^{a1}$, $S(O)_2NR^aR^{a1}$, $S(O)_pR^{a2}$, and CF_3 ;

5 R^c , at each occurrence, is independently selected from
 C_{1-6} alkyl, OR^a , Cl, F, Br, =O, -CN, NR^aR^{a1} , $C(O)R^a$,
 $C(O)OR^a$, $C(O)NR^aR^{a1}$, $S(O)_2NR^aR^{a1}$, $S(O)_pR^{a2}$, CF_3 , CH_2F ,
 CHF_2 , CF_2CH_3 , $C(CH_3)_2F$, OCF_3 , C_{3-6} carbocycle
substituted with 0-2 R^{c1} and a 5-6 membered
10 heterocycle comprising: carbon atoms and 1-4
heteroatoms selected from the group consisting of N,
O, and $S(O)_p$ and substituted with 0-2 R^{c1} ;

alternatively, when two R^c groups are attached to adjacent
15 carbon atoms, together with the carbon atoms to
which they are attached they form a 5-6 membered
saturated, partially saturated or unsaturated ring
consisting of: carbon atoms and 0-2 heteroatoms
selected from the group consisting of N, O, and
20 $S(O)_p$;

R^{c1} , at each occurrence, is independently selected from
 C_{1-6} alkyl, OR^a , Cl, F, Br, I, =O, -CN, NO_2 , NR^aR^{a1} ,
 $C(O)R^a$, $C(O)OR^a$, $C(O)NR^aR^{a1}$, $R^{a1}NC(O)NR^aR^{a1}$,
25 $OC(O)NR^aR^{a1}$, $R^{a1}NC(O)OR^a$, $S(O)_2NR^aR^{a1}$, $NR^aS(O)_2R^{a2}$,
 $NR^aS(O)_2NR^aR^{a1}$, $OS(O)_2NR^aR^{a1}$, $NR^aS(O)_2R^{a2}$, $S(O)_pR^{a2}$,
 CF_3 , CF_2CF_3 , CH_2F , and CHF_2 ;

R^d , at each occurrence, is independently selected from
30 C_{1-6} alkyl, OR^a , Cl, F, Br, =O, -CN, NR^aR^{a1} , $C(O)R^a$,
 $C(O)OR^a$, $C(O)NR^aR^{a1}$, $S(O)_2NR^aR^{a1}$, $S(O)_pR^{a2}$, CF_3 , C_{3-6}
carbocycle and a 5-6 membered heterocycle
comprising: carbon atoms and 1-4 heteroatoms

selected from the group consisting of N, O, and S(O)_p;

5 R^e, at each occurrence, is independently selected from
 C₁₋₆ alkyl, OR^a, Cl, F, Br, I, =O, -CN, NO₂, NR^aR^{a1},
 C(O)R^a, C(O)OR^a, C(O)NR^aR^{a1}, R^aNC(O)NR^aR^{a1},
 OC(O)NR^aR^{a1}, R^aNC(O)OR^a, S(O)₂NR^aR^{a1}, NR^aS(O)₂R^{a2},
 NR^aS(O)₂NR^aR^{a1}, OS(O)₂NR^aR^{a1}, NR^aS(O)₂R^{a2}, S(O)_pR^{a2},
 CF₃, CF₂CF₃, C₃₋₁₀ carbocycle substituted with 0-2
 10 R^{c1}, (CR^aR^{a1})_{r1}-C₃₋₁₀ carbocycle substituted with 0-2
 R^{c1}, a 5-14 membered heterocycle comprising carbon
 atoms and 1-4 heteroatoms selected from the group
 consisting of N, O, and S(O)_p and substituted with
 0-2 R^{c1}, and (CR^aR^{a1})_{r1}-5-14 membered heterocycle
 15 comprising carbon atoms and 1-4 heteroatoms selected
 from the group consisting of N, O, and S(O)_p and
 substituted with 0-2 R^{c1};

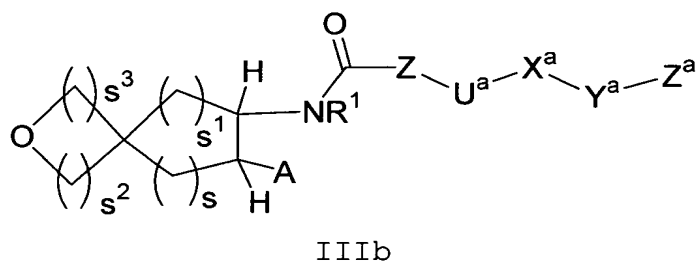
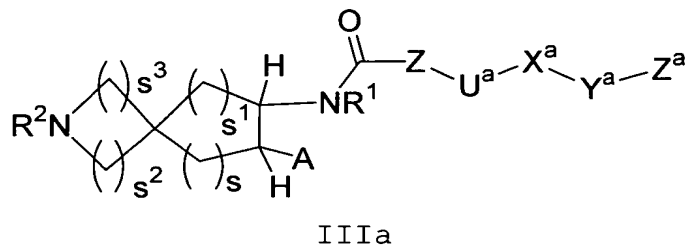
R⁵, at each occurrence, is selected from C₁₋₆ alkyl
 20 substituted with 0-2 R^b, and C₁₋₄ alkyl substituted
 with 0-2 R^f;

R^f, at each occurrence, is selected from phenyl
 substituted with 0-2 R^b and biphenyl substituted
 25 with 0-2 R^b;

R⁶, at each occurrence, is selected from phenyl,
 naphthyl, C₁₋₁₀ alkyl-phenyl-C₁₋₆ alkyl-, C₃₋₁₁
 cycloalkyl, C₁₋₆ alkylcarbonyloxy-C₁₋₃ alkyl-, C₁₋₆
 30 alkoxycarbonyloxy-C₁₋₃ alkyl-, C₂₋₁₀ alkoxycarbonyl,
 C₃₋₆ cycloalkylcarbonyloxy-C₁₋₃ alkyl-, C₃₋₆
 cycloalkoxycarbonyloxy-C₁₋₃ alkyl-, C₃₋₆
 cycloalkoxycarbonyl, phenoxycarbonyl,

- phenyloxycarbonyloxy-C₁₋₃ alkyl-,
 phenylcarbonyloxy-C₁₋₃ alkyl-, C₁₋₆ alkoxy-C₁₋₆
 alkylcarbonyloxy-C₁₋₃ alkyl-, [5-(C₁₋₅
 alkyl)-1,3-dioxo-cyclopenten-2-one-yl]methyl,
 5 [5-(R^a)-1,3-dioxo-cyclopenten-2-one-yl]methyl,
 (5-aryl-1,3-dioxo-cyclopenten-2-one-yl)methyl,
 -C₁₋₁₀ alkyl-NR⁷R^{7a}, -CH(R⁸)OC(=O)R⁹, and
 -CH(R⁸)OC(=O)OR⁹;
- 10 R⁷ is selected from H and C₁₋₆ alkyl, C₂₋₆ alkenyl, C₃₋₆
 cycloalkyl-C₁₋₃ alkyl-, and phenyl-C₁₋₆ alkyl-;
- R^{7a} is selected from H and C₁₋₆ alkyl, C₂₋₆ alkenyl, C₃₋₆
 cycloalkyl-C₁₋₃ alkyl-, and phenyl-C₁₋₆ alkyl-;
- 15 R⁸ is selected from H and C₁₋₄ linear alkyl;
- R⁹ is selected from H, C₁₋₆ alkyl substituted with 1-2 R⁹,
 C₃₋₆ cycloalkyl substituted with 1-2 R⁹, and phenyl
 20 substituted with 0-2 R^b;
- R⁹, at each occurrence, is selected from C₁₋₄ alkyl, C₃₋₆
 cycloalkyl, C₁₋₅ alkoxy, and phenyl substituted with
 0-2 R^b;
- 25 p, at each occurrence, is selected from 0, 1, and 2;
- r, at each occurrence, is selected from 0, 1, 2, 3, and
 4; and,
- 30 r₁, at each occurrence, is selected from 0, 1, 2, 3, and
 4.

3. A compound according to Claim 2, wherein the compound is of formula IIIa or IIIb:



or a stereoisomer or pharmaceutically acceptable salt form thereof, wherein;

A is selected from $-\text{CO}_2\text{H}$, $\text{CH}_2\text{CO}_2\text{H}$, $-\text{CONHOH}$, $-\text{CONHOR}^5$,
 15 $-\text{N}(\text{OH})\text{CHO}$, and $-\text{N}(\text{OH})\text{COR}^5$;

Z is absent or selected from a C_5 -6 carbocycle substituted with 0-3 R^b and a 5-6 membered heteroaryl comprising carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and $\text{S}(\text{O})_p$ and substituted with 0-3 R^b ;

20

U^a is absent or is selected from: O, NR^{a1} , $\text{C}(\text{O})$, $\text{C}(\text{O})\text{NR}^{a1}$, $\text{S}(\text{O})_p$, and $\text{S}(\text{O})_p\text{NR}^{a1}$;

25

X^a is absent or selected from C_{1-4} alkylene, C_{2-4} alkenylene, and C_{2-4} alkynylene

Y^a is absent or selected from O and NR^{a1};

5 Z^a is selected from H, a C₅₋₁₀ carbocycle substituted with
 0-3 R^c and a 5-10 membered heterocycle comprising
 carbon atoms and from 1-4 heteroatoms selected from
 the group consisting of N, O, and S(O)_p and
 substituted with 0-3 R^c;

10 provided that Z, U^a, Y^a, and Z^a do not combine to form a
 N-N, N-O, O-N, O-O, S(O)_p-O, O-S(O)_p or S(O)_p-S(O)_p
 group;

15 R¹ is selected from H, C₁₋₄ alkyl, phenyl, and benzyl;

 R² is selected from Q, C₁₋₆ alkylene-Q, C₂₋₆ alkenylene-Q,
 C₂₋₆ alkynylene-Q, (CR^aR^{a1})_{r1}C(O)(CR^aR^{a1})_r-Q,
 (CR^aR^{a1})_{r1}C(O)O(CR^aR^{a1})_r-Q, (CR^aR^{a2})_{r1}C(O)NR^aR^{a1},
 (CR^aR^{a2})_{r1}C(O)NR^a(CR^aR^{a1})_r-Q, and
 20 (CR^aR^{a1})_{r1}S(O)_p(CR^aR^{a1})_r-Q;

 Q is selected from H, a C₃₋₆ carbocycle substituted with
 0-3 R^d and a 5-10 membered heterocycle comprising:
 carbon atoms and 1-4 heteroatoms selected from the
 25 group consisting of N, O, and S(O)_p and substituted
 with 0-3 R^d;

 R^a, at each occurrence, is independently selected from H,
 C₁₋₄ alkyl, phenyl and benzyl;

30 R^{a1}, at each occurrence, is independently selected from H
 and C₁₋₄ alkyl;

R^{a2}, at each occurrence, is independently selected from
C₁₋₄ alkyl, phenyl, and benzyl;

5 R^b, at each occurrence, is independently selected from
C₁₋₄ alkyl, OR^a, Cl, F, =O, NR^aR^{a1}, C(O)R^a, C(O)OR^a,
C(O)NR^aR^{a1}, S(O)₂NR^aR^{a1}, S(O)_pR^{a2}, and CF₃;

10 R^c, at each occurrence, is independently selected from
C₁₋₆ alkyl, OR^a, Cl, F, Br, =O, NR^aR^{a1}, C(O)R^a,
C(O)NR^aR^{a1}, S(O)₂NR^aR^{a1}, S(O)_pR^{a2}, CF₃, CH₂F, CHF₂,
CF₂CH₃, C(CH₃)₂F, cyclopropyl, 1-methylcyclopropyl,
and cyclobutyl;

15 alternatively, when two R^c groups are attached to adjacent
carbon atoms, together with the carbon atoms to
which they are attached they form a 5-6 membered
saturated ring consisting of: carbon atoms and 0-2
heteroatoms selected from the group consisting of N,
O, and S(O)_p;

20 R^d, at each occurrence, is independently selected from
C₁₋₆ alkyl, OR^a, Cl, F, Br, =O, NR^aR^{a1}, C(O)R^a,
C(O)NR^aR^{a1}, S(O)₂NR^aR^{a1}, S(O)_pR^{a2}, CF₃, and phenyl;

25 R^e, at each occurrence, is independently selected from
C₁₋₆ alkyl, OR^a, Cl, F, Br, I, =O, -CN, NO₂, NR^aR^{a1},
C(O)R^a, C(O)OR^a, C(O)NR^aR^{a1}, R^aNC(O)NR^aR^{a1},
OC(O)NR^aR^{a1}, R^aNC(O)OR^a, S(O)₂NR^aR^{a1}, NR^aS(O)₂R^{a2},
NR^aS(O)₂NR^aR^{a1}, OS(O)₂NR^aR^{a1}, NR^aS(O)₂R^{a2}, S(O)_pR^{a2},
30 CF₃, CF₂CF₃, C₃₋₁₀ carbocycle substituted with 0-2
R^{c1}, (CR^aR^{a1})_{r1}-C₃₋₁₀ carbocycle substituted with 0-2
R^{c1}, a 5-14 membered heterocycle comprising carbon
atoms and 1-4 heteroatoms selected from the group

consisting of N, O, and S(O)_p and substituted with
0-2 R^{c1}, and (CR^aR^{a1})_{r1}-5-14 membered heterocycle
comprising carbon atoms and 1-4 heteroatoms selected
from the group consisting of N, O, and S(O)_p and
5 substituted with 0-2 R^{c1};

R⁵, at each occurrence, is selected from C₁₋₄ alkyl
substituted with 0-2 R^b, and C₁₋₄ alkyl substituted
with 0-2 R^f;

10 R^f, at each occurrence, is selected from phenyl
substituted with 0-2 R^b and biphenyl substituted
with 0-2 R^b;

15 p, at each occurrence, is selected from 0, 1, and 2;

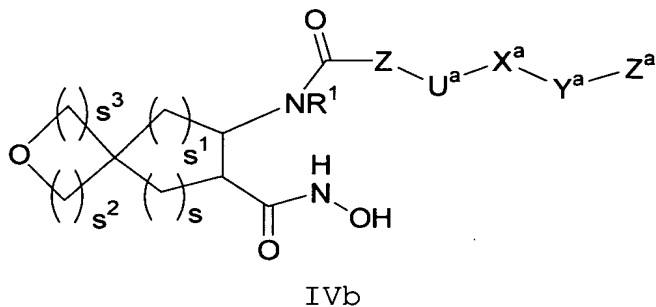
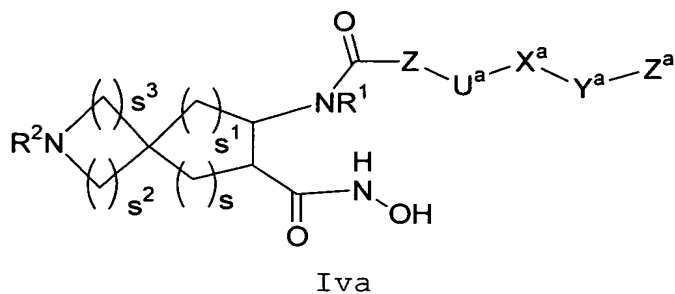
r, at each occurrence, is selected from 0, 1, 2, 3, and
4;

20 r₁, at each occurrence, is selected from 0, 1, 2, 3, and
4;

s and s¹ combine to total 2, 3, or 4; and

25 s² and s³ combine to total 2, 3, 4, or 5.

4. A compound according to Claim 3, wherein the
30 compound is of formula IVa or IVb:



5

or a stereoisomer or pharmaceutically acceptable salt form thereof, wherein;

10 Z is absent or selected from phenyl substituted with 0-3 R^b, pyridyl substituted with 0-3 R^b, thiazolyl substituted with 0-3 R^b, thienyl substituted with 0-3 R^b, and isoxazolyl substituted with 0-3 R^b;

15 U^a is absent or is O;

X^a is absent or is CH₂ or CH₂CH₂;

Y^a is absent or is O;

20

Z^a is selected from H, phenyl substituted with 0-3 R^c, and a 5-10 membered heterocycle substituted with 0-3 R^c and selected from the group: pyridyl, quinolinyl, imidazolyl, benzimidazolyl, indolyl, 1,1-dioxido-2,3-dihydro-4H-1,4-benzothiazin-4-yl, 1,1-dioxido-

25

3,4-dihydro-2*H*-1-benzothiopyran-4-yl, 3,4-dihydro-2*H*-chromen-4-yl, 2*H*-chromen-4-yl, and pyrazolyl;

provided that Z, U^a, Y^a, and Z^a do not combine to form a
5 N-N, N-O, O-N, or O-O group;

R¹ is selected from H, CH₃, and CH₂CH₃;

R² is selected from Q, C₁₋₆ alkylene-Q, C₂₋₆ alkynylene-Q,
10 C(O)(CR^aR^{a1})_r-Q, C(O)O(CR^aR^{a1})_r-Q, C(O)NR^a(CR^aR^{a1})_r-Q,
and S(O)_p(CR^aR^{a1})_r-Q;

Q is selected from H, cyclopropyl substituted with 0-1
R^d, cyclobutyl substituted with 0-1 R^d, cyclopentyl
15 substituted with 0-1 R^d, cyclohexyl substituted with
0-1 R^d, phenyl substituted with 0-2 R^d and a
heteroaryl substituted with 0-3 R^d, wherein the
heteroaryl is selected from pyridyl, quinolinyl,
thiazolyl, furanyl, imidazolyl, and isoxazolyl;

20

R^a, at each occurrence, is independently selected from H,
CH₃, and CH₂CH₃;

R^{a1}, at each occurrence, is independently selected from H,
25 CH₃, and CH₂CH₃;

R^{a2}, at each occurrence, is independently selected from H,
CH₃, and CH₂CH₃;

30 R^b, at each occurrence, is independently selected from
C₁₋₄ alkyl, OR^a, Cl, F, =O, NR^aR^{a1}, C(O)R^a, C(O)OR^a,
C(O)NR^aR^{a1}, S(O)₂NR^aR^{a1}, S(O)_pR^{a2}, and CF₃;

R^c , at each occurrence, is independently selected from
 C_{1-6} alkyl, OR^a , Cl, F, Br, =O, NR^aR^{a1} , $C(O)R^a$,
 $C(O)NR^aR^{a1}$, $S(O)_2NR^aR^{a1}$, $S(O)_pR^{a2}$, CF_3 , CH_2F , CHF_2 ,
 CF_2CH_3 , $C(CH_3)_2F$, cyclopropyl, 1-methylcyclopropyl,
 5 and cyclobutyl;

alternatively, when two R^c groups are attached to adjacent
 carbon atoms, together with the carbon atoms to
 which they are attached they form a 5-6 membered
 10 saturated ring consisting of: carbon atoms and 0-1
 heteroatoms selected from the group consisting of N,
 O, and $S(O)_p$;

R^d , at each occurrence, is independently selected from
 15 C_{1-6} alkyl, OR^a , Cl, F, Br, =O, NR^aR^{a1} , $C(O)R^a$,
 $C(O)NR^aR^{a1}$, $S(O)_2NR^aR^{a1}$, $S(O)_pR^{a2}$, CF_3 and phenyl;

R^e , at each occurrence, is independently selected from
 C_{1-6} alkyl, OR^a , Cl, F, Br, I, =O, -CN, NO_2 , NR^aR^{a1} ,
 20 $C(O)R^a$, $C(O)OR^a$, $C(O)NR^aR^{a1}$, $R^aNC(O)NR^aR^{a1}$,
 $OC(O)NR^aR^{a1}$, $R^aNC(O)OR^a$, $S(O)_2NR^aR^{a1}$, $NR^aS(O)_2R^{a2}$,
 $NR^aS(O)_2NR^aR^{a1}$, $OS(O)_2NR^aR^{a1}$, $NR^aS(O)_2R^{a2}$, $S(O)_pR^{a2}$,
 CF_3 , CF_2CF_3 , C_{3-10} carbocycle substituted with 0-2
 R^{c1} , $(CR^aR^{a1})_{r1-C_{3-10}}$ carbocycle substituted with 0-2
 25 R^{c1} , a 5-14 membered heterocycle comprising carbon
 atoms and 1-4 heteroatoms selected from the group
 consisting of N, O, and $S(O)_p$ and substituted with
 0-2 R^{c1} , and $(CR^aR^{a1})_{r1-5-14}$ membered heterocycle
 comprising carbon atoms and 1-4 heteroatoms selected
 30 from the group consisting of N, O, and $S(O)_p$ and
 substituted with 0-2 R^{c1} ;

p , at each occurrence, is selected from 0, 1, and 2;

r, at each occurrence, is selected from 0, 1, 2, and 3;

r¹, at each occurrence, is selected from 0, 1, 2, and 3;

5

s and s¹ combine to total 2, 3, or 4; and

s² and s³ combine to total 2, 3, 4, or 5.

10

5. A compound according to Claim 4, wherein the compound is of formula IVa or IVb, wherein;

15 Z is absent or selected from phenyl substituted with 0-3 R^b and pyridyl substituted with 0-3 R^b;

U^a is absent or is O;

20 X^a is absent or is CH₂ or CH₂CH₂;

Y^a is absent or is O;

25 Z^a is selected from H, phenyl substituted with 0-3 R^c,
pyridyl substituted with 0-3 R^c, and quinolinyl
substituted with 0-3 R^c;

provided that Z, U^a, Y^a, and Z^a do not combine to form a
N-N, N-O, O-N, or O-O group;

30

R¹ is selected from H, CH₃, and CH₂CH₃;

R^2 is selected from Q, C_{1-6} alkylene-Q, C_{2-6} alkynylene-Q, $C(O)(CR^aRa^1)_r-Q$, $C(O)O(CR^aRa^1)_r-Q$, $C(O)NR^a(CR^aRa^1)_r-Q$, and $S(O)_p(CR^aRa^1)_r-Q$;

5 Q is selected from H, cyclopropyl substituted with 0-1 R^d , cyclobutyl substituted with 0-1 R^d , cyclopentyl substituted with 0-1 R^d , cyclohexyl substituted with 0-1 R^d , phenyl substituted with 0-2 R^d and a
 10 heteroaryl substituted with 0-3 R^d , wherein the heteroaryl is selected from pyridyl, quinolinyl, thiazolyl, furanyl, imidazolyl, and isoxazolyl;

R^a , at each occurrence, is independently selected from H, CH_3 , and CH_2CH_3 ;

15 R^{a1} , at each occurrence, is independently selected from H, CH_3 , and CH_2CH_3 ;

20 R^{a2} , at each occurrence, is independently selected from H, CH_3 , and CH_2CH_3 ;

R^b , at each occurrence, is independently selected from C_{1-4} alkyl, OR^a , Cl, F, =O, NR^aRa^1 , $C(O)R^a$, $C(O)OR^a$, $C(O)NR^aRa^1$, $S(O)_2NR^aRa^1$, $S(O)_pR^{a2}$, and CF_3 ;

25 R^c , at each occurrence, is independently selected from C_{1-6} alkyl, OR^a , Cl, F, Br, =O, NR^aRa^1 , $C(O)R^a$, $C(O)NR^aRa^1$, $S(O)_2NR^aRa^1$, $S(O)_pR^{a2}$, and CF_3 ;

30 R^d , at each occurrence, is independently selected from C_{1-6} alkyl, OR^a , Cl, F, Br, =O, NR^aRa^1 , $C(O)R^a$, $C(O)NR^aRa^1$, $S(O)_2NR^aRa^1$, $S(O)_pR^{a2}$, CF_3 and phenyl;

R^e , at each occurrence, is independently selected from
 C_{1-6} alkyl, OR^a , Cl, F, Br, I, =O, -CN, NO_2 , NR^aR^{a1} ,
 $C(O)R^a$, $C(O)OR^a$, $C(O)NR^aR^{a1}$, $R^aNC(O)NR^aR^{a1}$,
 $OC(O)NR^aR^{a1}$, $R^aNC(O)OR^a$, $S(O)_2NR^aR^{a1}$, $NR^aS(O)_2R^{a2}$,
 $NR^aS(O)_2NR^aR^{a1}$, $OS(O)_2NR^aR^{a1}$, $NR^aS(O)_2R^{a2}$, $S(O)_pR^{a2}$,
 CF_3 , CF_2CF_3 , C_{3-10} carbocycle substituted with 0-2
 R^{c1} , $(CR^aR^{a1})_{r1-C_{3-10}}$ carbocycle substituted with 0-2
 R^{c1} , a 5-14 membered heterocycle comprising carbon
atoms and 1-4 heteroatoms selected from the group
consisting of N, O, and $S(O)_p$ and substituted with
0-2 R^{c1} , and $(CR^aR^{a1})_{r1-5-14}$ membered heterocycle
comprising carbon atoms and 1-4 heteroatoms selected
from the group consisting of N, O, and $S(O)_p$ and
substituted with 0-2 R^{c1} ;

15

p , at each occurrence, is selected from 0, 1, and 2;

r , at each occurrence, is selected from 0, 1, 2, and 3;

20 r_1 , at each occurrence, is selected from 0, 1, 2, and 3;

s and s^1 combine to total 2, 3, or 4; and

s^2 and s^3 combine to total 2, 3, 4, or 5.

25

6. A compound according to Claim 4, wherein the
compound is of formula IVa or IVb, wherein;

30

Z is phenyl, thiazolyl, thienyl or isoxazolyl;

U^a is absent or is O;

X^a is absent or is CH₂ or CH₂CH₂;

Y^a is absent or is O;

5

Z^a is a 5-10 membered heterocycle substituted with 0-2 R^c
and selected from the group: 4-pyridyl, 4-
quinolinyl, 1*H*-benzimidazol-1-yl, 1*H*-indol-1-yl, and
1*H*-indol-3-yl, 1,1-dioxido-2,3-dihydro-4*H*-1,4-
10 benzothiazin-4-yl;

R¹ is H;

R^c, at each occurrence, is independently selected from
15 methyl, ethyl, propyl, isopropyl, butyl, t-butyl,
CF₃,
CHF₂, CH₂F, CF₂CH₃, C(CH₃)₂F, NH₂, NH(CH₃), N(CH₃)₂,
cyclopropyl, 1-methylcyclopropyl, and cyclobutyl;

20 s and s¹ combine to total 2, 3, or 4; and

s² and s³ combine to total 2, 3, 4, or 5.

25

7. A compound according to Claim 1, wherein the
compound is selected from the group:

(7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-methyl-4-
30 quinolinyl)methoxy]benzoyl}amino)-1,4-
dioxaspiro[4.4]nonane-7-carboxamide;

- (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-methyl-4-quinolinyl)methoxy]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;
- 5 (5*S*, 7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-methyl-4-quinolinyl)methoxy]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;
- 10 (2*S*, 3*R*)-*N*-hydroxy-3-({4-[(2-methyl-4-quinolinyl)methoxy]benzoyl}amino)-6,10-dioxaspiro[4.5]decane-2-carboxamide;
- 15 (7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-methyl-4-quinolinyl)methoxy]benzoyl}amino)-1,4-dithiaspiro[4.4]nonane-7-carboxamide;
- (5*R*, 7*S*, 8*R*)-8-{[4-(2-butyloxy)benzoyl]amino}-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;
- 20 (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-methyl-1*H*-benzimidazol-1-yl)methyl]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;
- 25 (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-isopropyl-1*H*-benzimidazol-1-yl)methyl]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;
- 30 (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-[(4-{[2-(trifluoromethyl)-1*H*-benzimidazol-1-yl]methyl}benzoyl)amino]-1-oxaspiro[4.4]nonane-7-carboxamide;
- 35 (5*R*, 7*S*, 8*R*)-8-({4-[(2-*tert*-butyl-1*H*-benzimidazol-1-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

- (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-methyl-1*H*-indol-3-yl)methyl]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;
- 5 (5*R*, 7*S*, 8*R*)-8-[(4-{[2-(difluoromethyl)-1*H*-benzimidazol-1-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;
- 10 (5*R*, 7*S*, 8*R*)-8-({4-[(2-cyclopropyl-1*H*-benzimidazol-1-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;
- 15 (5*R*, 7*S*, 8*R*)-8-({4-[(2-cyclobutyl-1*H*-benzimidazol-1-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;
- 20 (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-isopropyl-1*H*-imidazol-1-yl)methyl]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;
- (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-methyl-1*H*-indol-1-yl)methyl]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;
- 25 (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-[(4-{[2-(1-methylcyclopropyl)-1*H*-benzimidazol-1-yl)methyl]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;
- 30 (5*R*, 7*S*, 8*R*)-8-[(4-{[2-(fluoromethyl)-1*H*-benzimidazol-1-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

(5*R*, 7*S*, 8*R*)-8-[(4-{[2-(1-fluoro-1-methylethyl)-1*H*-benzimidazol-1-yl]methyl}benzoyl)amino]-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

5 (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-{[4-(1*H*-indol-3-ylmethyl)benzoyl]amino}-1-oxaspiro[4.4]nonane-7-carboxamide;

10 (5*R*, 7*S*, 8*R*)-8-[(4-{[2-(1,1-difluoroethyl)-1*H*-benzimidazol-1-yl]methyl}benzoyl)amino]-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

15 (5*R*, 7*S*, 8*R*)-8-({4-[(2,3-dimethyl-1*H*-indol-1-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

(5*R*, 7*S*, 8*R*)-8-({4-[(2-ethyl-1*H*-indol-3-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

20

(5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-[(4-{[2-(trifluoromethyl)-1*H*-indol-1-yl]methyl}benzoyl)amino]-1-oxaspiro[4.4]nonane-7-carboxamide;

25 (5*R*, 7*S*, 8*R*)-8-{[4-(1,1-dioxido-3,4-dihydro-2*H*-1-benzothiopyran-4-yl)benzoyl]amino}-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

30 (5*R*, 7*S*, 8*R*)-8-{[4-(3,4-dihydro-2*H*-chromen-4-yl)benzoyl]amino}-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

(5*R*, 7*S*, 8*R*)-8-{[4-(2*H*-chromen-4-yl)benzoyl]amino}-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

5 *N*-{(5*R*,7*R*,8*S*)-8-[(hydroxyamino)carbonyl]-1-oxaspiro[4.4]non-7-yl}-2-[(2-isopropyl-1*H*-benzimidazol-1-yl)methyl]-1,3-thiazole-4-carboxamide;

10 (5*R*,7*S*,8*R*)-8-({4-[(3,5-dimethyl-1*H*-pyrazol-4-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

(5*R*,7*S*,8*R*)-*N*-hydroxy-8-({4-[(1,3,5-trimethyl-1*H*-pyrazol-4-yl)methyl]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;

15 (5*R*,7*S*,8*R*)-8-({4-[(1,1-dioxido-2,3-dihydro-4*H*-1,4-benzothiazin-4-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

20 (5*R*,7*S*,8*R*)-8-({4-[(2,2-dimethyl-1,1-dioxido-2,3-dihydro-4*H*-1,4-benzothiazin-4-yl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

25 (5*R*,7*S*,8*R*)-*N*-hydroxy-8-({4-[(2-methyl-4-quinolinyl)methyl]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide;

(5*R*,7*S*,8*R*)-*N*-hydroxy-8-[(4-{[2-(trifluoromethyl)-4-quinolinyl]methyl}benzoyl)amino]-1-oxaspiro[4.4]nonane-7-carboxamide;

30 (5*R*,7*S*,8*R*)-8-({4-[(2-ethyl-4-quinolinyl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

- (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-({4-[(2-isopropyl-4-quinolinyl)methyl]benzoyl}amino)-1-oxaspiro[4.4]nonane-7-carboxamide
- 5 (5*R*, 7*S*, 8*R*)-8-[(4-{[2-(dimethylamino)-4-quinolinyl]methyl}benzoyl)amino]-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;
- 10 (5*R*, 7*S*, 8*R*)-8-({4-[(2-cyclopropyl-4-quinolinyl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;
- 15 (5*R*, 7*S*, 8*R*)-8-{[4-(1,3-dihydrofuro[3,4-*b*]quinolin-9-ylmethyl)benzoyl]amino}-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;
- 20 (5*R*, 7*S*, 8*R*)-8-({4-[(2,3-dimethyl-4-quinolinyl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;
- 25 (5*R*, 7*S*, 8*R*)-*N*-hydroxy-8-[(4-{[2-methyl-8-(trifluoromethyl)-4-quinolinyl]methyl}benzoyl)amino]-1-oxaspiro[4.4]nonane-7-carboxamide;
- 30 (5*R*, 7*S*, 8*R*)-8-({4-[(3-ethyl-2-methyl-4-quinolinyl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

(5*R*, 7*S*, 8*R*)-8-({4-[(6-chloro-2-methyl-4-quinolinyl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

5 (5*R*, 7*S*, 8*R*)-8-({4-[(6-fluoro-2-methyl-4-quinolinyl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

(5*R*, 7*S*, 8*R*)-8-({4-[(7-chloro-2-methyl-4-quinolinyl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide; and

10

(5*R*, 7*S*, 8*R*)-8-({4-[(2,6-dimethyl-4-pyridinyl)methyl]benzoyl}amino)-*N*-hydroxy-1-oxaspiro[4.4]nonane-7-carboxamide;

15

or a pharmaceutically acceptable salt form thereof.

20

8. A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 1 or a pharmaceutically acceptable salt form thereof.

25

9. A method of treating an inflammatory disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 1 or a pharmaceutically acceptable salt form thereof.

30

10. A method comprising: administering a compound according to Claim 1 or a pharmaceutically acceptable salt form thereof, in an amount effective to treat a condition or disease mediated by MMPs, TACE, aggrecanase,
5 or a combination thereof.

11. A method of treating a condition or disease
10 mediated by MMPs, TACE, aggrecanase, or a combination thereof in a mammal, comprising: administering to the mammal in need of such treatment a therapeutically effective amount of a compound according to Claim 1 or a pharmaceutically acceptable salt form thereof.
15

12. A method of treating according to Claim 11, wherein the disease or condition is referred to as acute
20 infection, acute phase response, age related macular degeneration, alcoholism, allergy, allergic asthma, anorexia, aneurism, aortic aneurism, asthma, atherosclerosis, atopic dermatitis, autoimmune disease, autoimmune hepatitis, Bechet's disease, cachexia, calcium
25 pyrophosphate dihydrate deposition disease, cardiovascular effects, chronic fatigue syndrome, chronic obstruction pulmonary disease, coagulation, congestive heart failure, corneal ulceration, Crohn's disease, enteropathic arthropathy, Felty's syndrome, fever,
30 fibromyalgia syndrome, fibrotic disease, gingivitis, glucocorticoid withdrawal syndrome, gout, graft versus host disease, hemorrhage, HIV infection, hyperoxic alveolar injury, infectious arthritis, inflammation, intermittent hydrarthrosis, Lyme disease, meningitis,
35 multiple sclerosis, myasthenia gravis, mycobacterial

infection, neovascular glaucoma, osteoarthritis, pelvic inflammatory disease, periodontitis, polymyositis/dermatomyositis, post-ischaemic reperfusion injury, post-radiation asthenia, psoriasis, psoriatic
5 arthritis, pulmonary emphysema, pyoderma gangrenosum, relapsing polychondritis, Reiter's syndrome, rheumatic fever, rheumatoid arthritis, sarcoidosis, scleroderma, sepsis syndrome, Still's disease, shock, Sjogren's syndrome, skin inflammatory diseases, solid tumor growth
10 and tumor invasion by secondary metastases, spondylitis, stroke, systemic lupus erythematosus, ulcerative colitis, uveitis, vasculitis, and Wegener's granulomatosis.